MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ)..

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HPX" Aluminum Sliding Glass Door-S.M.I.

APPROVAL DOCUMENT: Drawing No **1469 Rev A1**, titled "HPX Small Missile Impact Sliding Glass Door", sheets 1 through 6 of 6, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/12/09 and last revised on FEB 07, 2011, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

Limitations:

1. See Allowable Design Pressure table for applicable frame height, glass options and applicable DP. Max. nominal panel width is = 48".
2. Refer to elevation for cluster anchors at interlock/ meeting stiles and intermediate head & sill frame per substrate types. For Side jamb anchoring spacing requirements, see Side Jamb anchor table in sheet 1.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA # 10-0708.05** and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY APPROVED

11/14/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (transferred from file # **10-0708.05)**
2. Drawing No **1469 Rev A1**, titled "HPX Small Missile Impact Sliding Glass Door", sheets 1 through 6 of 6, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/12/09 and last revised on FEB 07, 2011, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Small Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   along with the manufacturer's parts and section drawings of an OXO aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC. Test Report No. **HTL-0049-0111-09**, dated 03/30/09-05/04/09, signed and sealed by Vinu J. Abraham, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Small Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   along with the manufacturer's parts and section drawings of OXXO, OXO and OX aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC. Test Report No. **HTL-0049-0822-05**, dated 7/6/05-10/21/05, signed and sealed by Vinu J. Abraham, P.E. (transferred from file # **10-0708.05).**

C. CALCULATIONS

1. Anchor verification calculations, complying with FBC-2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/16/09, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of conformance to FBC 2007 and FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated OCT 06, 2011, signed and sealed by Warren W. Schaefer, P.E.
3. Glazing complies w/ ASTME-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-1013.06
Expiration Date: July 27, 2016
Approval Date: November 24, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **06-0216.06** issued to Solutia, Inc. for their "Saflex IIIG Clear and Colored Interlayer", expiring on 05/21/11.
2. Test Report No. **D162474**, dated Feb 22, 2011, issued by ATS (Applied technical svc), Inc for "Flexible PVC material" per ASTM-D412, ASTM-D2240 and ASTM-D471, issued to Kawneer Company Inc.

F. STATEMENTS

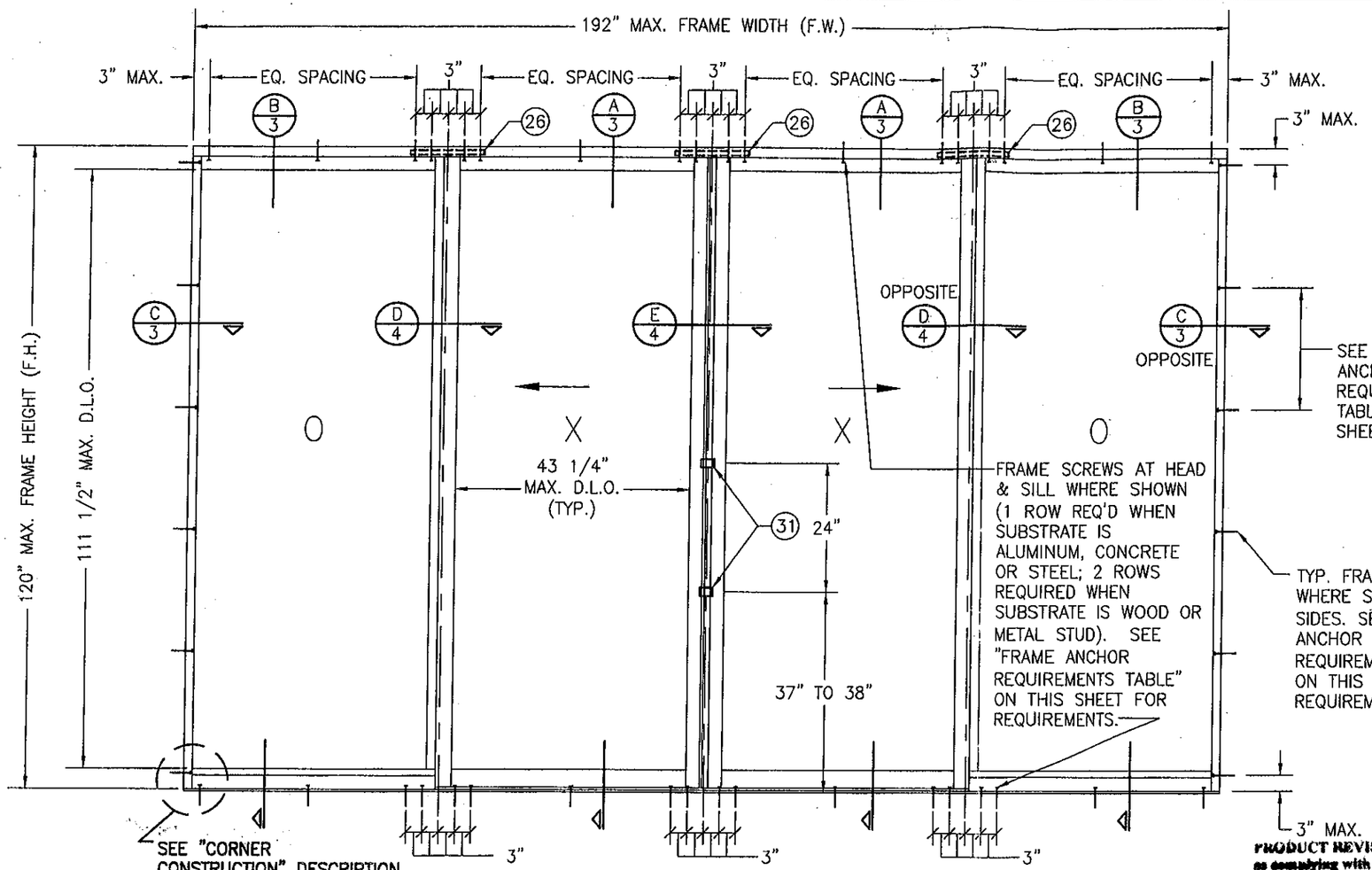
1. Statement letter of conformance to FBC 2007 and FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated OCT 06, 2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of conformance and letter of no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 11/16/09, signed and sealed by Warren W. Schaefer, P.E(transferred from file # **10-0708.05)**
3. Statement of Lab compliance, as part of above referenced test report.

G. OTHER

1. This NOA **revises** & **renews** NOA # **10-0708.05**, expiring on July 27, 2016.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-1013.06
Expiration Date: July 27, 2016
Approval Date: November 24, 2011



EXTERIOR ELEVATION
4-PANEL SLIDING GLASS DOOR
SCALE: 1/2"=1'-0"

CORNER CONSTRUCTION

FRAME CORNERS:
THE JAMB WAS SQUARE CUT AT THE ENDS AND INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK. THE HEAD TRACK & SILL TRACK WERE MECHANICALLY ATTACHED TO THE JAMBS USING TWO(2) NO. 12 X 2" TYPE AB HWH TF SCREWS PER END. EACH CORNER IS SEALED WITH DOW 795 SEALANT.

FIXED INTERLOCK MULLION:
THE FIXED INTERLOCK MULLION IS SQUARE CUT AT ENDS & INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK. THE FIXED INTERLOCK MULLION IS MECHANICALLY ATTACHED AT EACH END WITH FIVE(5) NO. 12 X 2" TYPE AB HWH TF SCREWS. ENDS ARE SEALED WITH DOW 795 SEALANT.

LOCK STILE MULLION:
THE LOCK STILE MULLION WAS SQUARE CUT AT ENDS & INSERTED BETWEEN THE ADJOINING HEAD TRACK AND SILL TRACK. THE LOCK STILE MULLION IS MECHANICALLY ATTACHED AT EACH END WITH SIX(6) NO. 12 X 2" TYPE AB HWH TF SCREWS. ENDS ARE SEALED WITH DOW 795 SEALANT.

WHEN JOB REQUIRED DESIGN PRESURE IS +50/-57.5 PSF OR LESS, JUST A SINGLE ROW OF ANCHORS ARE REQUIRED & SPACING OF SIDE FRAME ANCHORS MAY BE 22"; REGARDLESS OF SUBSTRATE.

ALLOWABLE DESIGN PRESSURE			
MAXIMUM FRAME HEIGHT	(3) GLASS OPTION	ALLOWABLE PRESSURE	
		POS.	NEG.
120"	(1) 1	100 PSF	115 PSF
102"	(2) 2	100 PSF	135 PSF

(1) GLASS OPTION 1 IS RESTRICTED TO MAX. -115 PSF EVEN IF DOOR HEIGHT IS REDUCED.
(2) GLASS OPTION 2 IS NOT APPLICABLE FOR USE WITH DOORS OVER 102" TALL.
(3) SEE GLAZING DETAIL ON SHEET 4 FOR GLASS OPTIONS.

SIDE JAMB ANCHOR SPACING REQUIREMENTS		
SUBSTRATE	ANCHOR SPACING (SINGLE ROW)	ANCHOR SPACING (DOUBLE ROW)
WOOD	11" O.C.	22" O.C.
METAL STUD	11" O.C.	22" O.C.
STEEL	22" O.C.	22" O.C.
ALUMINUM	22" O.C.	22" O.C.
CONCRETE	22" O.C.	22" O.C.
CMU	16" O.C.	22" O.C.

FRAME ANCHOR REQUIREMENTS TABLE			
FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	(1) 5/16" CONCRETE SCREW	1 3/8"	1"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 0.1" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 3000 PSI CONCRETE	(1) 5/16" CONCRETE SCREW	1 3/4"	2 1/2"
MIN. CONCRETE FILLED C-90 CMU (JAMBS ONLY)	(1) 5/16" CONCRETE SCREW	1 3/4"	2 1/2"
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS.			

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1013.06
Expiration Date 7/27/16
By Ishaq I. Chanda
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 10-0708.05
Expiration Date July 27 2016
By Ishaq I. Chanda
Miami Dade Product Control

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCALS TAS-201, 202 & 203 FOR SMALL MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. WHEN GLAZED FOR SMALL MISSILE IMPACT, THESE DOORS MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE WITHOUT AN APPROVED SHUTTER.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 01/24/06

NO.	REVISION DESCRIPTION	BY	DATE
A1	REVISE FOR NEW TESTING	W.W.S.	11/12/09

DRAWING TITLE
HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR
MANUFACTURER

KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092
770-449-5555

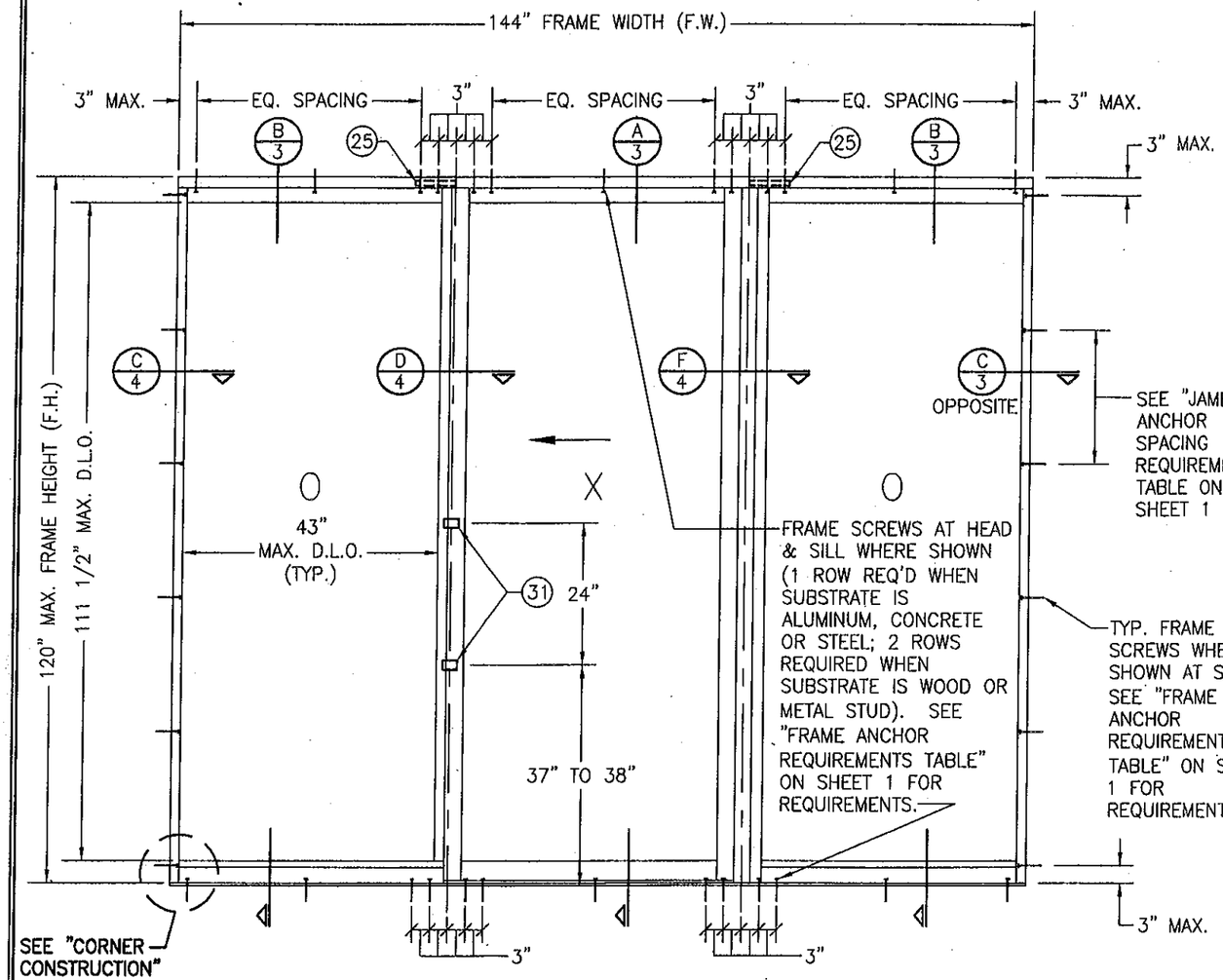
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
FEB 07 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

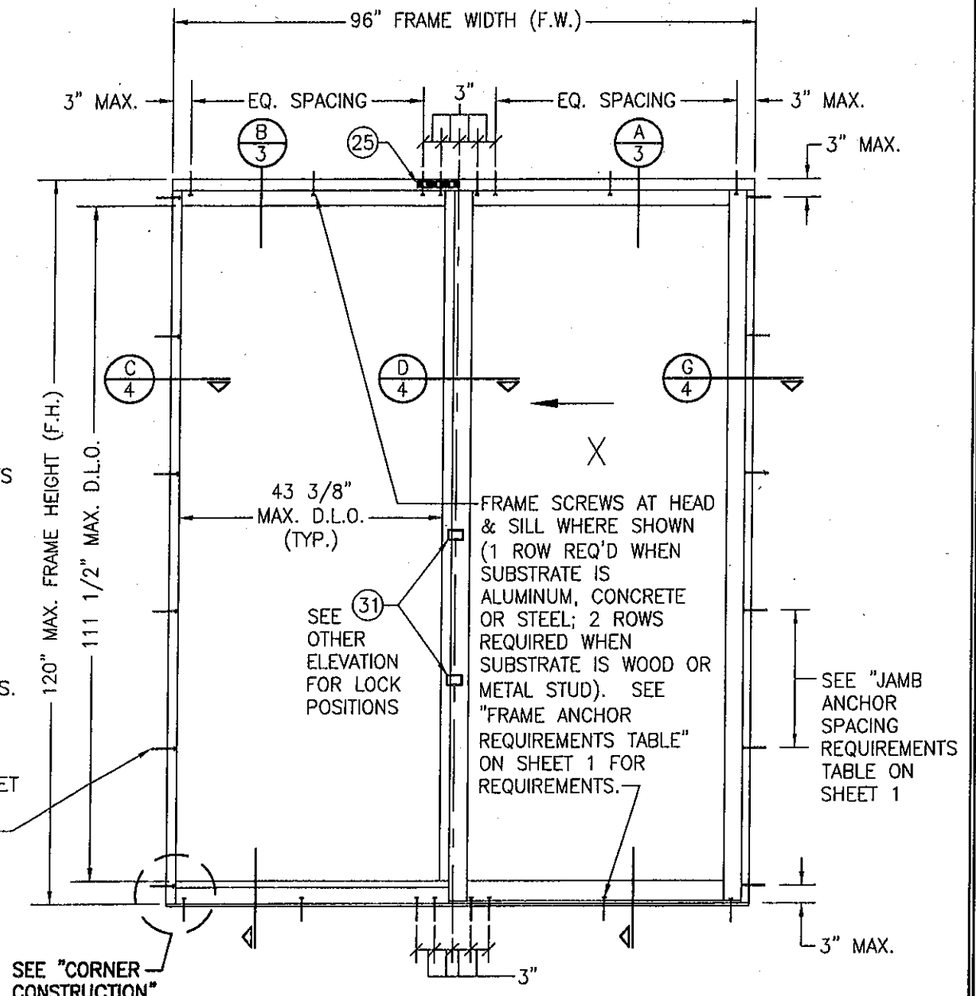
LICENSE No. 44135 STATE OF FLORIDA
WARREN W. SCHAEFER
ENGINEER
PROFESSIONAL

DRAWING NO.	REV.
1469	A

SHEET NO.
1 OF 6



EXTERIOR ELEVATION
3-PANEL SLIDING GLASS DOOR
SCALE: 1/2"=1'-0"



EXTERIOR ELEVATION
2-PANEL SLIDING GLASS DOOR
SCALE: 1/2"=1'-0"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1013.06
Expiration Date 7/27/16
Chas I. Chand
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 10-0708.06
Expiration Date July 27, 2016
By Ishaq I. Chand
Miami Dade Product Control

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA ENGINEER PROFESSIONAL

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 01/24/06

NO.	REVISION DESCRIPTION	BY	DATE

MANUFACTURER
KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092
770-449-5555

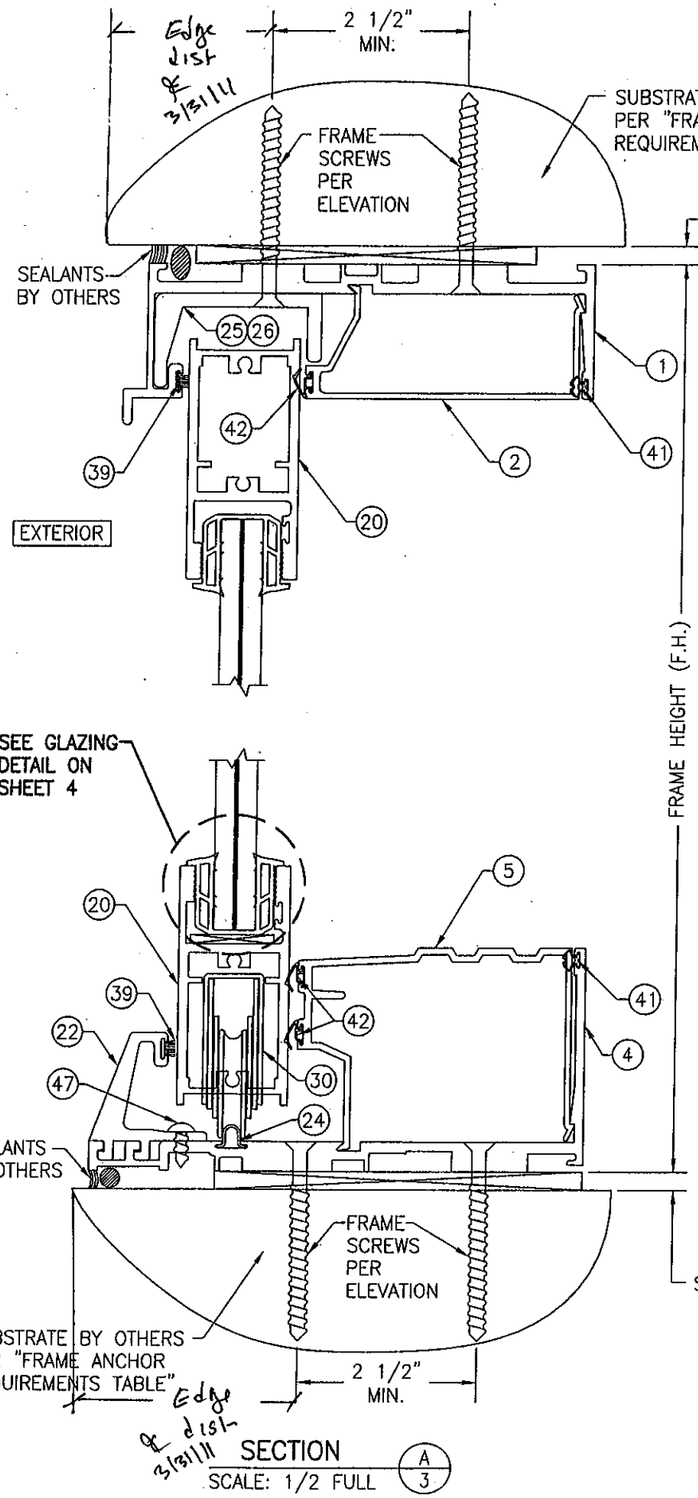
DRAWING TITLE
HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR

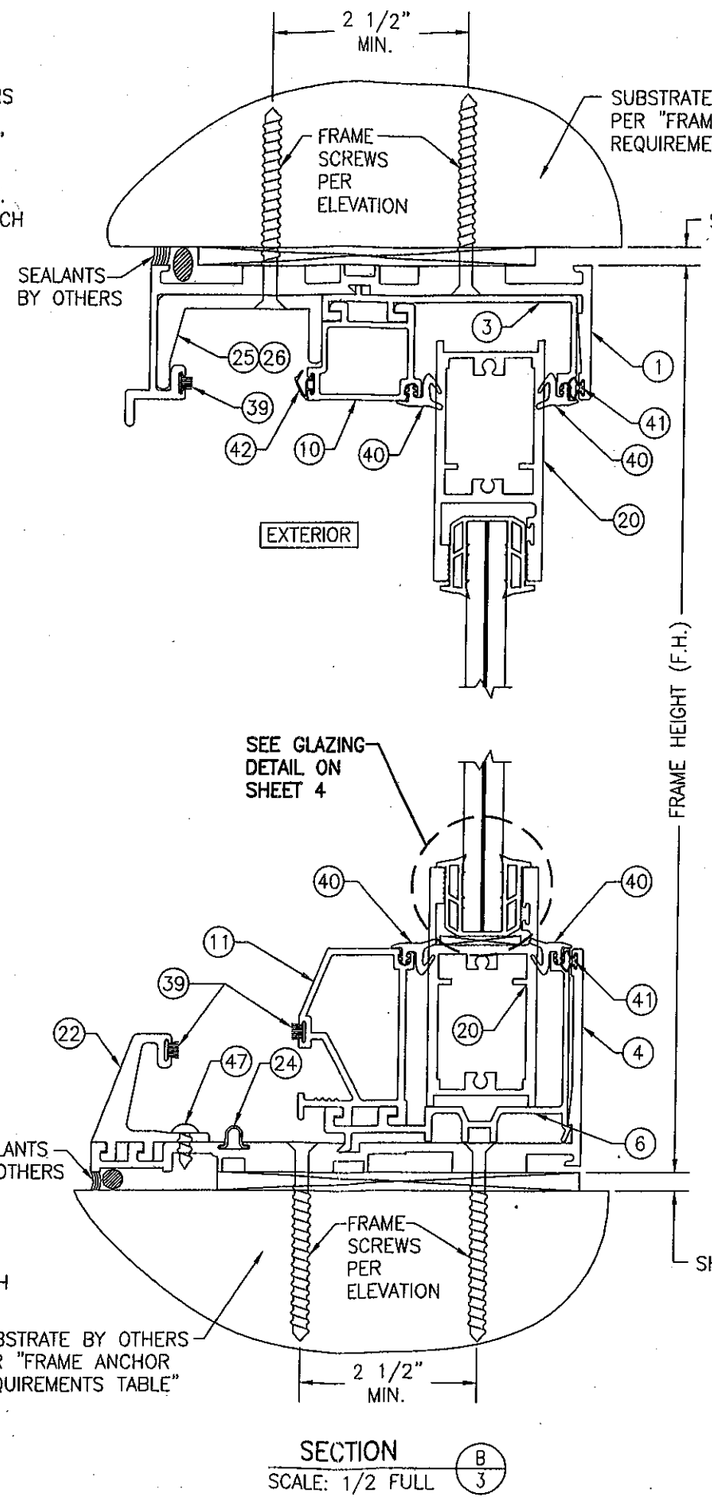
CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

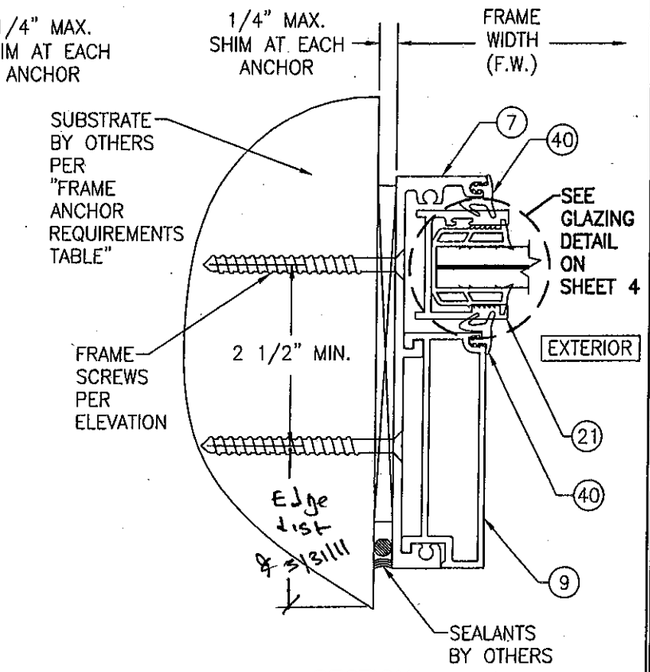
FEB 07 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
1469	A

SHEET NO.
2 OF 6







NOTE: 2 ANCHOR ROWS ARE SHOWN. 1 ROW ALSO APPLIES PER THE ELEVATIONS. WHEN 1 ROW IS USED, IT MAY BE POSITIONED AT EITHER THE INTERIOR OR EXTERIOR POSITION SHOWN.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1013.06
Expiration Date 7/27/11
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 10-0708.05
Expiration Date July 27, 2016
By Ishaq I. Chanda
Miami Dade Product Control

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

FEB 07 2011

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/24/06

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE
HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR

MANUFACTURER
KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092
770-449-5555

CONSULTANTS
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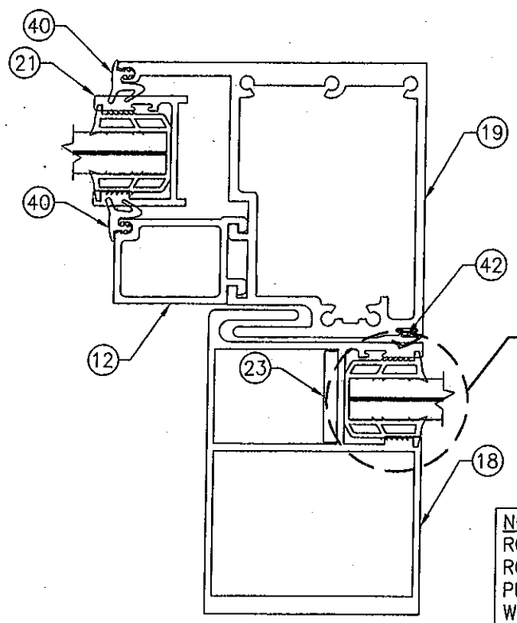
WARREN W. SCHAEFER, P.E.
FL. REG. NO. 44135

DRAWING NO.	REV.
1469	A

SHEET NO.
3 OF 6

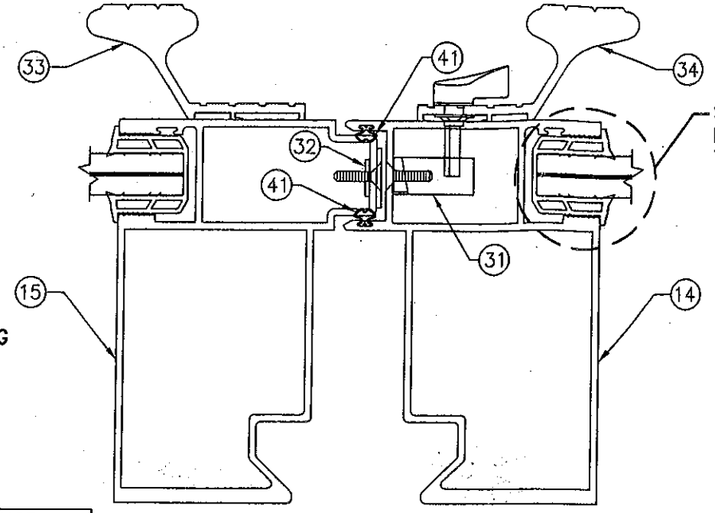


EXTERIOR

SECTION D/4

SCALE: 1/2 FULL

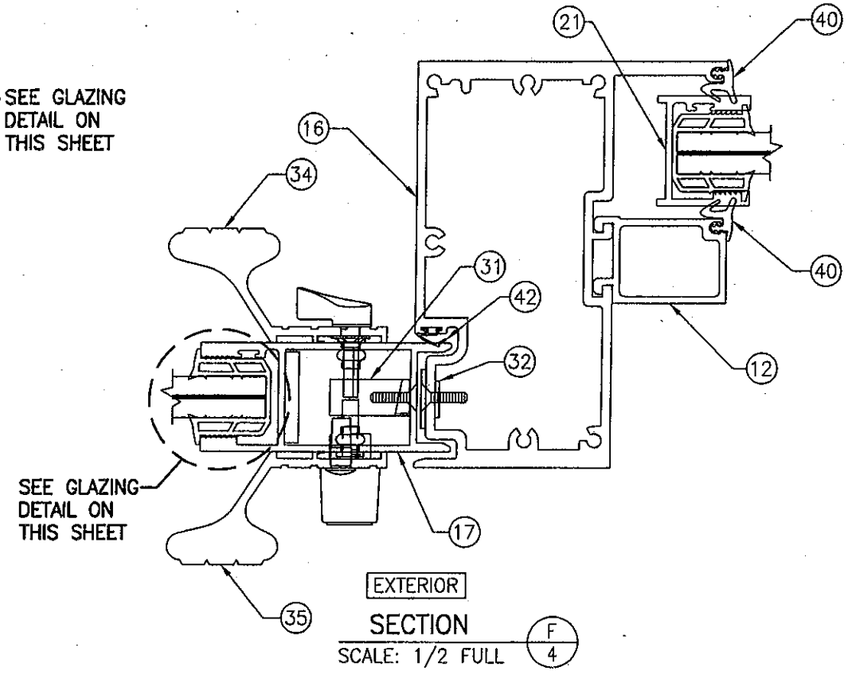
NOTE: 2 ANCHOR ROWS ARE SHOWN. 1 ROW ALSO APPLIES PER THE ELEVATIONS. WHEN 1 ROW IS USED, IT MAY BE POSITIONED AT EITHER THE INTERIOR OR EXTERIOR POSITION SHOWN.



EXTERIOR

SECTION E/4

SCALE: 1/2 FULL



EXTERIOR

SECTION F/4

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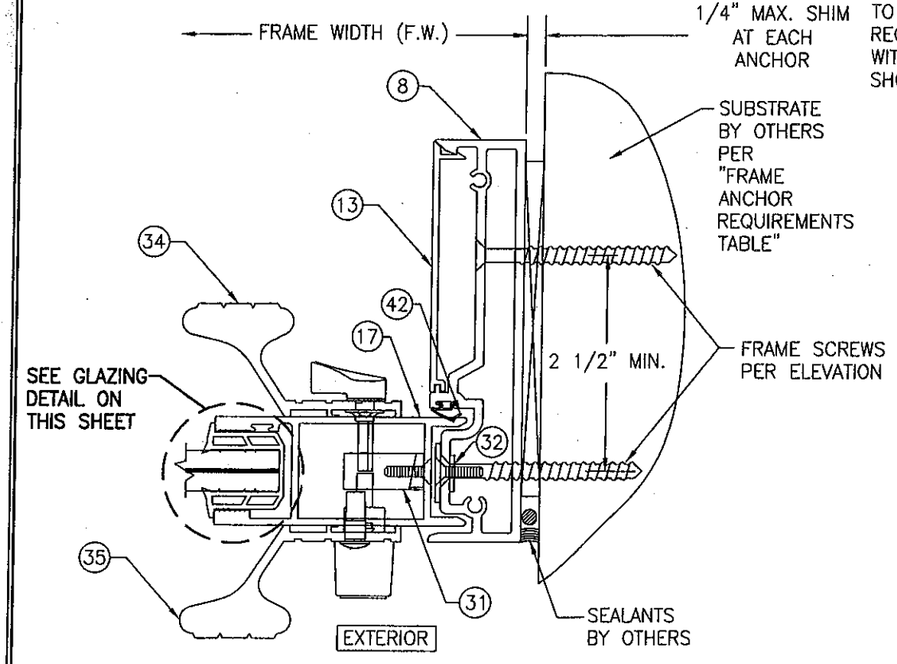

EXTERIOR

SECTION G/4

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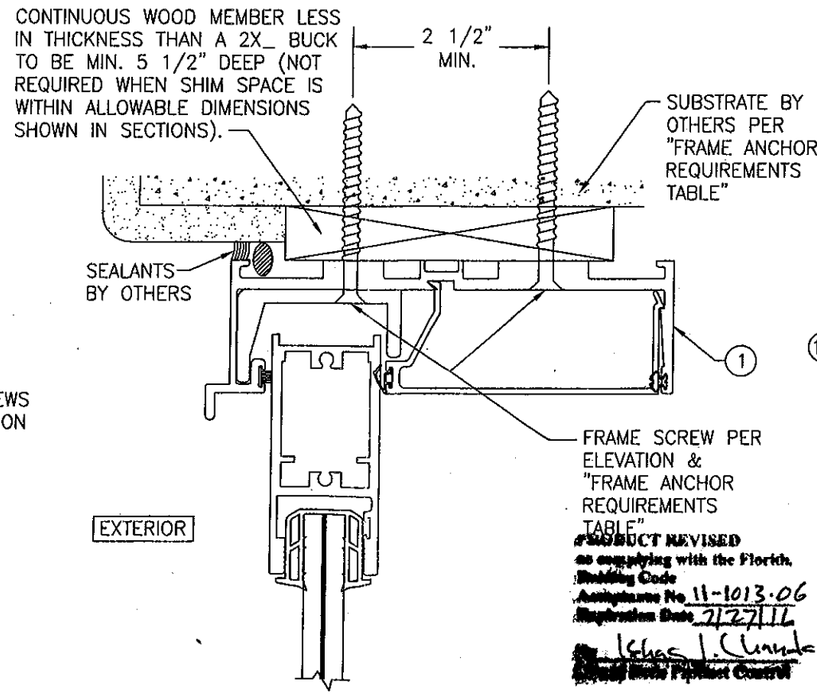


EXTERIOR

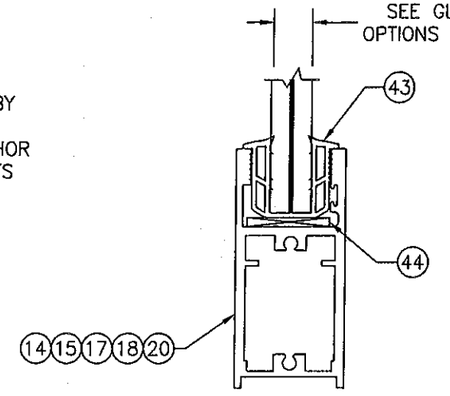
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-1013.06 Expiration Date 2/27/11

Ishaq I. Chawla Miami Dade Product Control

OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



TYP. GLAZING DETAIL

SCALE: 1/2 FULL

GLASS OPTION 1: 9/16" LAMINATED (1/4" H.S./0.06 SOLUTIA SAFLEX IIIG PVB/1/4" H.S.)

GLASS OPTION 2: 9/16" LAMINATED (1/4" H.S./0.09 SOLUTIA SAFLEX IIIG PVB/1/4" H.S.)

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 10-0708.05 Expiration Date July 27 2016

By Ishaq I. Chawla Miami Dade Product Control

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/24/06

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE: HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR

MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIDGE COURT NORCROSS, GA 30092 770-449-5555

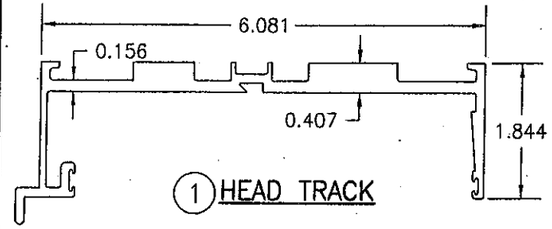
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424

CERTIFICATION: FEB 07 2011

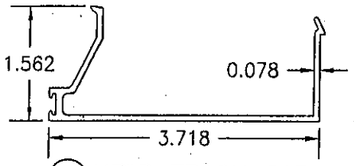
WARREN W. SCHAEFER, P.E. P.E. NO. 44135

DRAWING NO.	REV.
1469	A

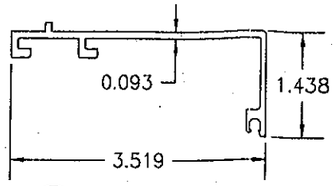
SHEET NO. 4 OF 6



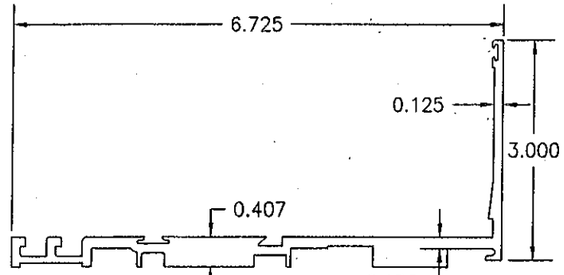
1 HEAD TRACK



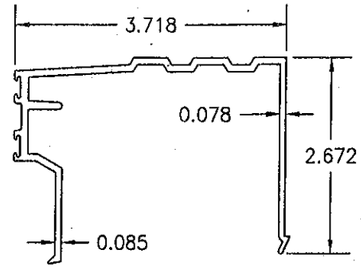
2 HEAD TRACK CAP



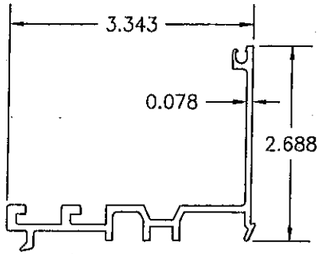
3 TRACK FILLER



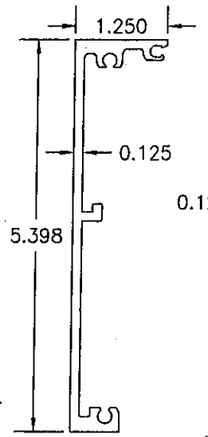
4 SILL TRACK



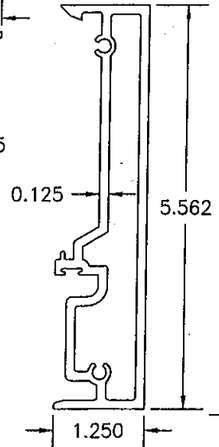
5 SILL TRACK CAP



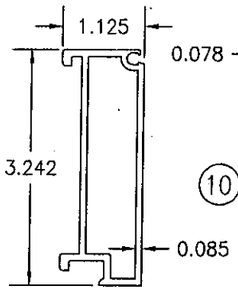
6 SILL TRACK FILLER



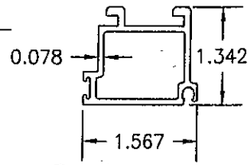
7 FIXED JAMB BASE



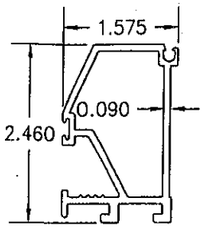
8 TWO PIECE LOCK JAMB



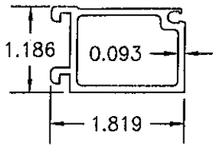
9 FIXED JAMB STOP



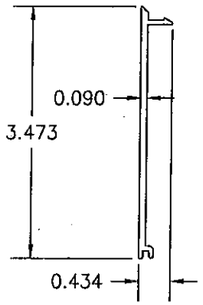
10 HEAD TRACK FILLER STOP



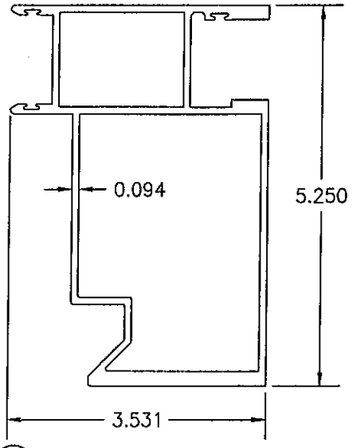
11 SILL TRACK STOP



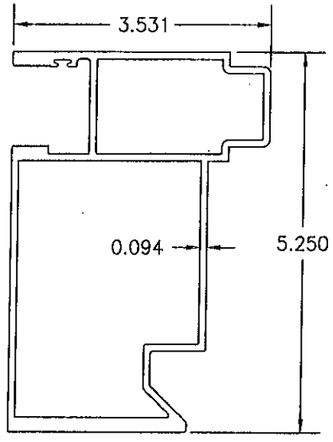
12 VERTICAL STOP



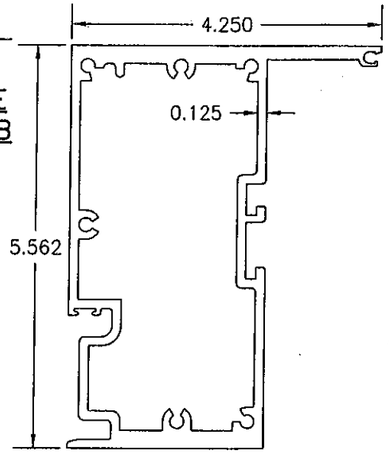
13 OPEN BACK FILLER



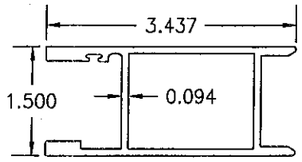
14 LOCK STILE – OXXO



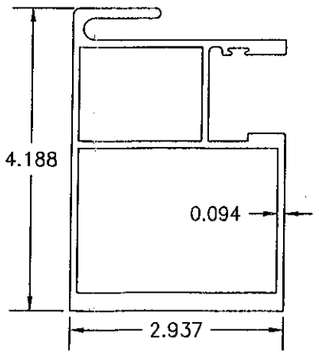
15 LATCH STILE – OXXO



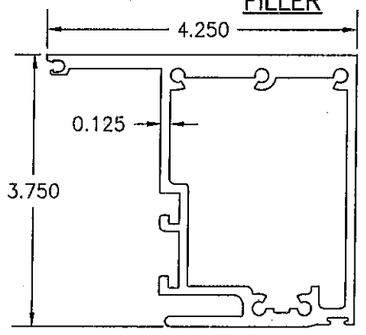
16 LOCK STILE MULLION



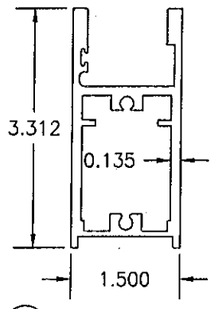
17 LOCK STILE



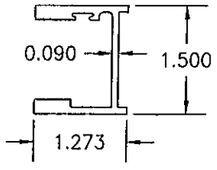
18 INTERLOCK STILE



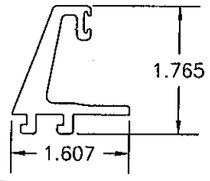
19 FIXED INTERIOR INTERLOCK



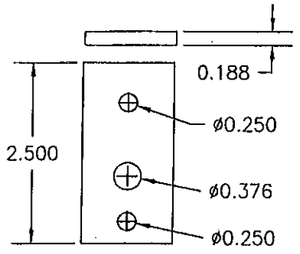
20 TOP & BOTTOM RAIL



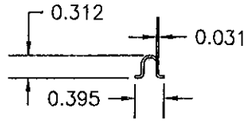
21 FIXED PANEL VERTICAL RAIL



22 ANTI-BLOWOUT ADAPTOR



23 CORNER REINFORCING PLATE



24 SILL TRACK

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 11-1013.06
Expiration Date 7/27/16
By Ishaq I. Chanda
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 10-0708.05
Expiration Date July 27 2016
By Ishaq I. Chanda
Miami Dade Product Control

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA ENGINEER PROFESSIONAL

NO.	REVISION DESCRIPTION	BY	DATE

DRAWN BY: W.R.M. | CHECKED BY: W.W.S.
PLOT: 1=2 | DATE: 01/24/06

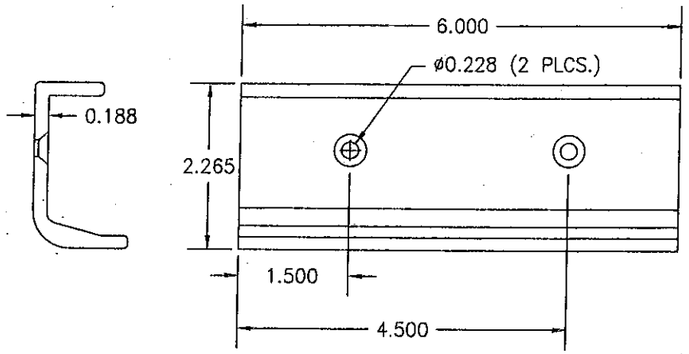
DRAWING TITLE: HPX SMALL MISSILE IMPACT SLIDING GLASS DOOR

MANUFACTURER: KAWNEER COMPANY, INC.
555 GUTHRIDGE COURT
NORCROSS, GA 30092
770-449-5555

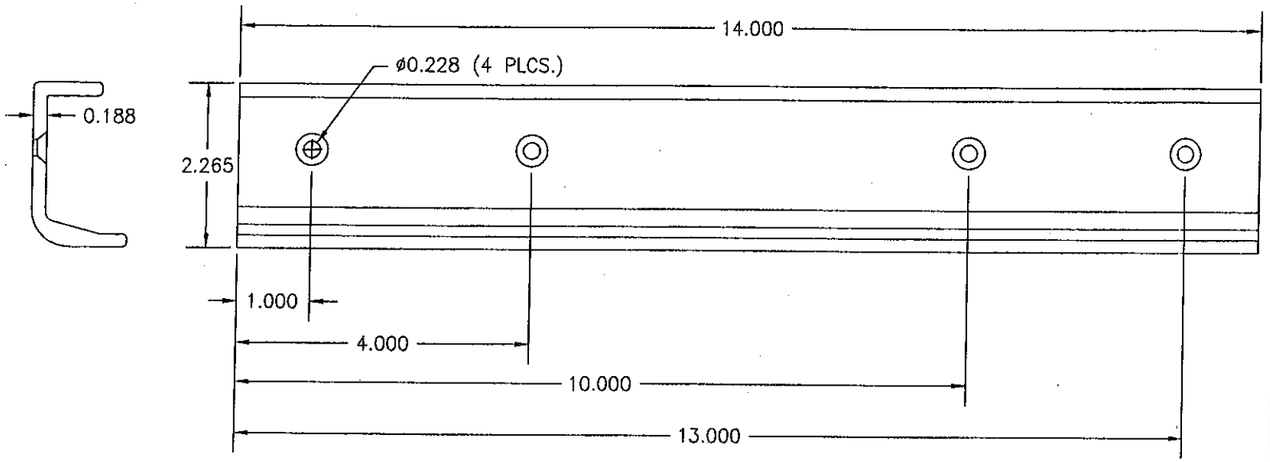
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
FEB 07 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

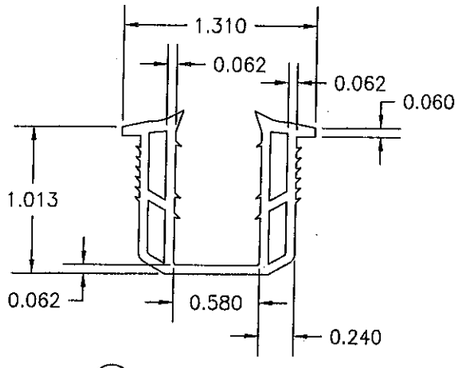
DRAWING NO. 1469 | REV. A
SHEET NO. 5 OF 6



(25) 6" HEAD TRACK REINFORCEMENT



(26) 14" HEAD TRACK REINFORCEMENT – OXXO



(43) GLAZING CHANNEL
FULL SIZE

TENSILE STRENGTH = 2350 PSI
ELONGATION AT BREAK = 275%
TANGENT MODULOUS = 2820 PSI
DUROMETER = 85 +/-3
SPECIFIC GRAVITY = 1.32
MASS GAIN = -4%

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
		PARTS	
1	592-028	HEAD TRACK	6063-T6 ALUMINUM
2	592-005	HEAD TRACK CAP	6063-T6 ALUMINUM
3	592-007	HEAD TRACK FILLER	6063-T6 ALUMINUM
4	592-029	SILL TRACK	6063-T6 ALUMINUM
5	592-027	SILL TRACK CAP	6063-T6 ALUMINUM
6	592-011	SILL TRACK FILLER	6063-T6 ALUMINUM
7	592-023	FIXED JAMB BASE	6063-T6 ALUMINUM
8	591-070	TWO PIECE LOCK JAMB	6063-T6 ALUMINUM
9	592-024	FIXED JAMB STOP	6063-T6 ALUMINUM
10	592-008	HEAD TRACK FILLER STOP	6063-T6 ALUMINUM
11	592-026	SILL TRACK STOP	6063-T6 ALUMINUM
12	592-022	VERTICAL STOP	6063-T6 ALUMINUM
13	162-021	OPEN BACK FILLER	6063-T6 ALUMINUM
14	592-021	LOCK STILE - OXXO	6063-T6 ALUMINUM
15	591-039	LATCH STILE - OXXO	6063-T6 ALUMINUM
16	592-013	LOCK STILE MULLION	6063-T6 ALUMINUM
17	592-014	LOCK STILE	6063-T6 ALUMINUM
18	592-017	INTERLOCK STILE	6063-T6 ALUMINUM
19	592-016	FIXED INTERIOR INTERLOCK	6063-T6 ALUMINUM
20	592-018	TOP & BOTTOM RAIL	6063-T6 ALUMINUM
21	592-012	FIXED PANEL VERTICAL RAIL	6063-T6 ALUMINUM
22	592-009	ANTI-BLOWOUT ADAPTOR	6063-T6 ALUMINUM
23	590-403	CORNER REINFORCING PLATE	6063-T6 ALUMINUM
24	925-393	SILL TRACK	310 STAINLESS STEEL
25	592-405	6" HEAD TRACK REINFORCEMENT	6063-T6 ALUMINUM
26	592-406	14" HEAD TRACK REINFORCEMENT - OXXO	6063-T6 ALUMINUM
		HARDWARE	
30	594-451	TANDEM WHEEL ASSEMBLY	STAINLESS STEEL
31	911-581	LATCH LOCK (2 PER PANEL)	ADAMS RITE 1847 (STAINLESS STEEL)
32	089-426	LOCK STRIKE & BACKER PLATE	STAINLESS STEEL
33	591-412	INTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
34	591-415	INTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
35	591-416	EXTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
36	591-417	EXTERIOR PULL AS REQ'D	6063-T6 ALUMINUM
		SEALS AND SEALANTS	
39	027-088	PILE WEATHER STIPPING	PB 9322 POLY BOND
40	027-074	FIXED GASKET (70+/-5 DUROMETER)	EPDM BY KRP
41	027-579	BULB WEATHER STRIP	INTEK #50230A
42	027-110	WEATHERING GASKET	G.E. GELOY BY ASTRO PLASTICS
43	127-003	GLAZING CHANNEL	FLEXIBLE PVC UNITED PLASTICS CORP
44	027-423	SETTING BLOCK	EPDM BY KRP
		MISC. FASTENERS	
47	977-108	NO. 10 X 1/2" PFHTFS	2 13/16"" FROM ENDS & MAX. 6" O.C.

PRODUCT REVISED
as complying with the Florida Building Code
Application No 11-1013.06
Expiration Date 7/27/16
By Ishaq I. Chaudhry
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Application No 10-0708.05
Expiration Date July 27th 2016
By Ishaq I. Chaudhry
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WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA ENGINEER PROFESSIONAL

NO.	REVISION DESCRIPTION	BY	DATE

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CERTIFICATION
FEB 07 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1469 | REV. A
SHEET NO. 6 OF 6